TIA Program Application
GENERAL INSTRUCTIONS
(TIB Form 190-050)

The application for Transportation Improvement Account (TIA) Funding is submitted to the Transportation Improvement Board (TIB) to develop the TIA Priority Array. The Board uses the Priority Array to determine the projects that will receive funding.

Each application must be filled out completely and accurately to ensure the project is rated correctly. Submit your applications with all attachments to the TIB office by January 31. If you need assistance, contact the TIB office at (360)705-7591, (360)705-7593 or (360)705-7595.

Table of Contents

APPLICATION FOR TIA FUNDING

Section 1 - General Information

TIA Region Enter the TIA Region code letter (E, W, or P). Refer to the Agency Control Data Table.

Agency Number Enter the Agency Number. Refer to the Agency Control Data Table.

Agency Priority Number Enter the Priority of this project compared with your other TIA applications.

Lead Agency Enter the name of the agency initiating the project or accepting the project administration. The Lead Agency must be an incorporated city with a population of 5,000 or more, an urban county or a transportation benefit district.

Address Enter the mailing address where project correspondence should be sent.

Contact & Phone Number Enter the name and telephone number of the staff member with direct project involvement. This person should be able to answer questions pertaining to the project.

Project Name & Termini Enter the name of the street or road to be improved. Also enter termini that clearly define the proposed project limits.

Project Length Enter the length of the project in miles.

Federal Route Number Enter the federal route number as shown on the Statewide Functional Classification System map. The arterial must be functionally classified to be eligible for funding.

Legislative District Enter the primary legislative district of the project location.

Project Justification Describe the current conditions and basis for submittal of the project. Describe specific problems that will be mitigated upon completion of the project.

Public Involvement Describe the project history as it relates to public hearings or meetings. Describe the public's viewpoint of the project, if known**The lead agency is responsible for meaningful and timely public involvement**.

Description of Proposed Improvements Describe in detail the type of work planned for the project. List proposed roadway width, number of lanes, sidewalks, etc.. List the anticipated construction start date. Attach a detailed 8½" x 11" vicinity map showing the project location.

Section 2 -MULTIAGENCY PROJECTS

Multiagency Projects Answer yes or no. If yes, list all jurisdictions involved. Eligible jurisdictions may be incorporated cities, counties, WSDOT, transit, transit authorities, ports, transportation benefit districts, school districts, and state colleges and universities. For projects with WSDOT involvement, list the sign route milepost and WSDOT project identification number.**Provide letters of commitment from all involved agencies, including their pledged fund amount**.

Section 3 -MULTIMODAL/INTERMODAL PROJECTS

Multimodal Projects Answer yes or no. If yes, describe the other modes of transportation and their relationship to the project. Examples of other modes of transportation are buses, rail or other methods to transport people and goods.

Section 4 -SAFETY/MOBILITY

Accidents List accident data from the last three years on the Arterial Inventory Sheet. Complete Attachment A - Accident Reduction & Annual Benefit (TIB Form 190-050A) for projects that have an accident history. Calculate a separate Annual Benefit for each improvement site or improvement type. Complete as many Attachment A forms as necessary, but do not use the same accident more than once. List the Annual Benefit for each improvement site or improvement type on Attachment B - Annual Benefit Summary Sheet (TIB Form 190-050B). Refer to the attached accident reduction factors.

Mobility Arterial Inventory Sheets must be completed for each application. Complete one reflecting existing conditions and one showing project completion conditions. A copy of the Long Range Plan Arterial Inventory Sheet updated to reflect the project limits and conditions may be used. The Arterial Inventory Sheets allow calculatation of the Level of Service (LOS) and the Volume Capacity (V/C) Ratio using procedures outlined in the Highway Capacity Manual (Special Report 209). For projects on a new alignment, submit data on existing adjacent roadway(s) with reduced congestion as a result of the proposed project. The Arterial Inventory Sheets and questions 3 through 7 are used to evaluate the points for this category.

Section 5 -ECONOMIC DEVELOPMENT

Economic Development Describe how this project relates to the Economic Development of the project area. Describe the type of economic development. It may be new development or improvement of existing conditions to retain employment. Provide information such as private sector capital investment, number of jobs created or retained, status and schedule of development, if development is ongoing or anticipated. Include additional information that will be helpful in the evaluation of this selection.

Section 6 -TRANSPORTATION & GROWTH POLICY PLANS

Transportation & Growth Plans Describe how the project supports adopted local, regional, and state transportation and growth policies/plans. Include the current Six Year Transportation Program.

Section 7 -OTHER ITEMS

Other Items Check Items that apply to the project and supply details as indicated.

Section 8 -SOURCE OF LOCAL MATCHING FUNDS

Source of Local Matching Funds Local matching funds are eligible in-kind contributions, and all funds other than TIA funds. Funding from the Transportation Improvement Account (TIA) **and** the Urban Arterial Trust Account (UATA) is not allowed for the same project.

Section 9 -TOTAL PROJECT COST

Total Project Cost List the estimated costs for all phases of the project. Use the predesign phase for projects in which the agency does not have a clear scope of the proposed work. It should include environmental and design study costs.

The design phase should include costs for environmental studies if the project does not have a predesign phase. Include value engineering and design engineering costs and all costs associated with right of way acquisition.

The construction costs should include work performed by the local agency's own forces, and/or negotiated contracts with utilities and railroads, construction contracts and construction engineering.

Section 10 -CERTIFICATION

Signature & Date The application must be signed and dated by a professional engineer registered in the state of Washington after reviewing the contents of the application. Print or type the engineer's name in the space provided.

ATTACHMENT A

TIA Accident Reduction & Annual Benefit Worksheet

Calculate a separate annual benefit for each improvement site, such as an intersection, or improvement type, such as a continuous left turn lane. Complete as many worksheets as necessary, but the same accident may not be used more than one time.

ATTACHMENT B

TIA Annual Benefit Summary Sheet

Combine the annual benefit for each site or improvement type to obtain the total project annual benefit.

ATTACHMENT C

Arterial Inventory Sheet

Fully completed Arterial Inventory Sheets must be attached to each application. Refer to the Arterial Inventory Sheet Instructions for assistance in completing the form.

ACCIDENT REDUCTION & ANNUAL BENEFIT WORKSHEET

This portion of the application contains factors used in the calculation of the Annual Benefit for a project. The factors are used to project accident reductions for various types of improvements. They represent the basis for theoretical annual benefits associated with implementing an improvement(s) at a high accident location. The tables were prepared using the best available average of recorded historical data from several states. The data is considered sound enough to provide general comparisons of estimated cost calculations.

It is extremely important to recognize that the accident reduction factors listed on the following pages cannot be relied on for predicting the actual result of implementing a specific improvement at a specific location. The data available for preparing accident reduction factors is not of sufficient quantity or precision to allow its use for any more than general averages in comparative cost calculations. Recognizing the limitations of the data, theoretical accident reductions for various types of accidents can be derived by using the reduction factors and formulas as a guide for comparison.

ACCIDENT REDUCTION FORMULA

If more than one improvement is being considered at a location, the projected percent reduction in accidents is not simply the sum of the percent reduction for each improvement. For example, if one improvement reduces accidents of one type by 30 percent, and the second improvement reduces this same type of accident by 25 percent, the total expected percent reduction would be 30 percent of accidents of one type plus a 25 percent reduction of accidents of the same type that are not corrected by the first improvement or 30 percent + (0.70) 25 percent = 47.5 percent. When multiple improvements are used, the projected accident reduction percent can be determined by the equation:

$$RED_{total} = RED_1 + \left[\frac{(100 - RED_1)}{100}\right] x\ RED_2 + \left[\frac{(100 - RED_1)}{100} x \frac{(100 - RED_2)}{100}\right] x\ RED_3 + \cdots$$

RED_{total} Total projected reduction percent in accidents by type. RED_{total} is used here for the example. However, the same procedure applies for either Fatality & Injury Reduction (RED_{fi}) or PDO Accident Reduction (RED_{p}).

RED_1 The largest reduction percent in a type of accidents.

RED_2 The second largest reduction percent in a type of accidents.

RED_3 The third largest reduction percent in a type of accidents.

ACCIDENT REDUCTION FACTORS

	Type of Improvement	Number of Lanes	Fatality & Injury Reduction	PDO Accident Reduction
INTERSECTION	Add Stop Signs on Minor Leg	2	70	50
	Add Stop Signs on Minor Leg	Multi	20	40
	Add Stop Signs on All Legs	2	65	70
	Add Right Turn Lane	Multi	40	10
	Add Left Turn Lane	2	80	20
	Add Left Turn Lane	Multi	55	5
	Add Left Turn Lane at T Intersection	Multi	60	50
	Increase Radii at Intersection[1]	All	25	25
	Add Traffic Signals	All	50	30
	Add Left Turn Signal (No Left Turn Lane)	Multi	55	40
	Modify Traffic Signals	All	30	30
	Interconnect Traffic Signals	All	30	30
	Add Pedestrian Signals	2	55	15
	Add Pedestrian Signals	Multi	40	5
	Install Flashing Warning Signals	2	30	50
	Install Flashing Warning Signals	Multi	30	50
	Add Flashing Beacons at Railroad Crossing	Multi	50	80
	Illuminate Intersection or Railroad Crossing	Multi	15	20
MEDIAN	Painted or Raised Median	Multi	10	10
	Concrete Median Barrier	Multi	60	60
DELINEATION	Double Yellow Line	Multi	5	5
	Reflectorized Raised Pavement Marking	Multi	5	5
ROADWAY	Widen Traveled Way[1]	2	30	40
	Widen Shoulders	2	5	0
	Eliminate Parking (Signing Necessary)	Multi	5	30
	Construct Grade Separation	All	60	60
	Add Two Way Left Turn Lane	All	50	50
	Widen Bridge (Minimum Six Feet)	All	60	60
	Reconstruct Curve[1]	All	80	80
ROADSIDE	Guardrail at Embankments	All	20	20
	Guardrail at Bridge Ends, Abutments, Piers, Steel Sign Posts	All	20	35
	Flatten Side Slopes	2	20	20
	Energy Absorption Devices	All	50	20
	Breakaway Sign Posts & Illumination Poles	All	50	0

[1] Use the Full Reduction Percent only when a significant improvement from existing conditions is proposed.

AGENCY CONTROL DATA TABLE

Agency	TIA Region	Agency Number
Aberdeen	W	189
Anacortes	W	154
Arlington	P	817
Asotin County	E	002
Auburn	P	105
Bainbridge Island	W	830
Battle Ground	W	948
Bellevue	P	103
Bellingham	W	156
Benton County	E	003
Bonney Lake	P	136
Bothell	P	114
Bremerton	W	152
Brier	P	144
Burien	P	125
Burlington	W	159
Camas	W	185
Centralia	W	192
Chehalis	W	193
Chelan County	E	004
Cheney	E	168
Clark County	W	006
Clarkston	E	170
College Place	E	177
Cowlitz County	W	008
Des Moines	P	110
Douglas County	E	009
Edgewood	P	201
Edmonds	P	139
Ellensburg	E	175
Enumclaw	P	124
Ephrata	E	164
Everett	P	138
Federal Way	P	113
Ferndale	W	985
Fircrest	P	130
Franklin County	E	011
Grandview	E	183
Grant County	E	013
Grays Harbor County	W	014
Hoquiam	W	190
Island County	W	015
Issaquah	P	108
Jefferson County	W	016
Kelso	W	188
Kennewick	E	173
Kent	P	106
King County	P	017
Kirkland	P	111
Kitsap County	W	018
Kittitas County	E	019
Lacey	W	197
Lake Forest Park	P	118
Lakewood	P	199
Lewis County	W	021
Longview	W	187
Lynden	W	839
Lynnwood	P	140
Marysville	P	143
Mason County	W	023
Mercer Island	P	104
Mill Creek	P	148
Milton	P	132
Monroe	P	822
Moses Lake	E	162
Mount Vernon	W	155

AGENCY CONTROL DATA TABLE

Agency	TIA Region	Agency Number
Mountlake Terrace	P	141
Mukilteo	P	145
Newcastle	P	200
Normandy Park	P	112
Oak Harbor	W	157
Olympia	W	195
Othello	E	844
Pacific	P	117
Pasco	E	174
Pierce County	P	027
Port Angeles	W	150
Port Orchard	W	153
Port Townsend	W	151
Poulsbo	W	158
Pullman	E	167
Puyallup	P	129
Redmond	P	107
Renton	P	102
Richland	E	171
SeaTac	P	121
Seattle	P	101
Sedro Woolley	W	126
Selah	E	182
Shelton	W	194
Shoreline	P	202
Skagit County	W	029
Snohomish	P	142
Snohomish County	P	031
Spokane	E	165
Spokane County	E	032
Steilacoom	P	133
Sumner	P	131
Sunnyside	E	179
Tacoma	P	128
Thurston County	W	034
Toppenish	E	178
Tukwila	P	116
Tumwater	W	196
University Place	P	203
Vancouver	W	184
Walla Walla	E	176
Walla Walla County	E	036
Washougal	W	186
Wenatchee	E	160
West Richland	E	172
Whatcom County	W	037
Whitman County	E	038
Woodinville	P	198
Yakima	E	180
Yakima County	E	039

TIA/ISTEA MATCHING FUNDS

Overview

From 1992 to August 1996, the Transportation Improvement Board has made $14.5 million available for the required local match to secure $90 million in federal funds for 308 local agency projects statewide.

The Transportation Improvement Board is scheduled to review the ISTEA matching program at its regular meeting in Port Angeles on October 24-25, 1996. A decision on whether to provide additional funding for the local match on FFY 97 round of ISTEA projects is expected to be made. The Board's decision will be announced at the TransAid/TIB Workshops to be held October 29 through November 7, 1996.

If additional funding is approved, the funds will be made available to eligible projects on a "first come, first served" basis. There are NO ASSURANCES that matching funds will be available for all projects requesting initial funding or increases. PLEASE APPLY FOR TIA MATCHING FUNDS AS SOON AS POSSIBLE!

Eligibility

URBAN COUNTIES AND CITIES
(5,000 and over in population)

- Regional and Statewide Competitive STP Projects
- Hazard Elimination Projects
- Congestion Management/Air Quality (CMAQ) projects in nonattainment areas that meet TIA threshold eligibility criteria

SMALL CITIES
(under 5,000 population)

- Regional and Statewide Competitive STP Projects
- Hazard Elimination Projects
- Enhancement Projects

TIB staff are available to review the eligibility of a particular project. Please call (360)705-7593 for assistance.

Matching Funds Application Process

Once the federal funds have been approved, submit the following to the TIB:

- TIA Matching Information Sheet (Urban Cities and Counties only)
- Copy of Federal Aid Prospectus
- Copy of WSDOT funding approval letter or executed WSDOT Local Agency Agreement
- 8½" x 11" map showing project location

Transportation Improvement Account (TIA)

MATCHING INFORMATION

This sheet must be completed and attached to the Federal Aid Prospectus for ISTEA Surface Transportation Program (STP) projects for urban agency projects to be considered for TIA matching funds. The project must substantially meet the TIA criteria as listed.

Agency	Federal Aid Prospectus Number
Project Title	

MULTIAGENCY PROJECT

❑ Yes ❑ No If yes, list jurisdictions

MULTIAGENCY PROJECT

❑ Yes ❑ No If yes, describe the other modes of transportation and their relationship to the project

ECONOMIC DEVELOPMENT

- Describe how the project relates to the economic development of the project area
- Describe the type of economic development

CONGESTION

- Describe the traffic conditions within the project limits
- List the level of service, if known

Transportation Improvement Account (TIA)

MATCHING INFORMATION

This sheet must be completed and attached to the Federal Aid Prospectus for ISTEA Surface Transportation Program (STP) projects for urban agency projects to be considered for TIA matching funds. The project must substantially meet the TIA criteria as listed.